No. !
FORMULAE PROM TEXT.
DISTILLATION GAS—continued.
C-poorest Gas.
C =0-20 kilogramme 01X4= 0-27 cubic metre 0 = 0-07 „ N = 0-03 ,, OOa = 0-03 „ CO =0-07 „
C-richest Gas.
Per cubic metre H^ Combustible value, 4,060 cals. C =0*23 Idlogramme CH4 = 0*35 cubic metre. 0 = 0-05 „ 1ST = 0-03 „ CO* = 0-015 „ CO = 0-07 „
Correction for Amount to be added, 15'6
by combustion method
. Amount to be added 9-10
Combustion of C2H4 and CH4:—
1 cbm.
3 cbm. 0
2 cbm. C02
2 cbm. H20 vapour
1. cbm. CII4
2 cbm. 0
= [1 cbm. $CO_2$] + [2 cbm. $H_2O$ vapour]
contains 29-4 per cent. Si02 and 70'6 per cent. FeO, or 2-4 units FeO per unit SiO2 (by weight) .... FeSiO,) contains 45'5 per cent. Si02 and 54'5 per cent. FeO, or 1-2 units FeO per unit Si02 (by weight) ....
SLAG-FORMING- SUBSTANCES.
(a) Silica: from impurities on charge, to be estimated in each case .... .....
(b) 1 per cent. Si in metal gives rise to 2'14 per cent. SiO-2
(c) (Assumed) about 0*15 per cent. Si02 acid-structure of furnace reaches slag.....
(d) (Assumed) about 0*30 per cent. Si02 from basic hearth, etc., reaches slag.....
(e) (Assumed) total Si02 from furnace structure reaching slag = about 0'45 per cent.....
(a) (Assumed) total of earthy bases derived by slag from furnace structure = 4*45 per cent.....
(b) Limestone required = about double lime required
75
148 148
152 152
153 153 153
154 154